

FIG. 1

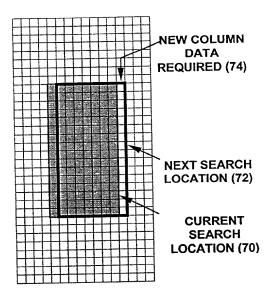


Fig. 2

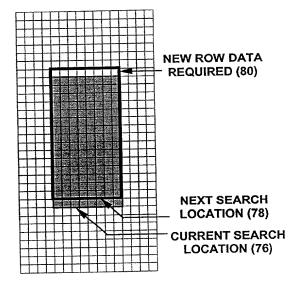


Fig. 3

Paul C. Haughey, Reg. No. 31,836, (650) 326-2400
Attorney Docket No.: 18170-002600US

Title: Memory Control Apparatus and Efficient Search Pattern for Block-Matching Motion Estimation
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00	01	02	03	04	05	06	07
10	11	12	13	14	15	16	17
20	21	22	23	24	25	26	27
30	31	32	33	34	35	36	37
40	41	42	43	44	45	46	47
50	51	52	53	54	55	56	57
60	61	62	63	64	65	66	67
70	71	72	73	74	75	76	77
88	81	82	83	84	85	86	87
90	99	92	93	94	95	96	97
A0	A1	A2	А3	A4	A5	A6	A7
B0	B1	B2	В3	В4	B5	В6	B7
CO	C1	C2	СЗ	C4	C5	C6	C7
D0	D1	D2	D3	D4	D5	D6	D7
E0	E1	E2	E3	E4	E5	E6	E7
F0	F1	F2	F3	F4	F5	F6	F7

Fig. 4

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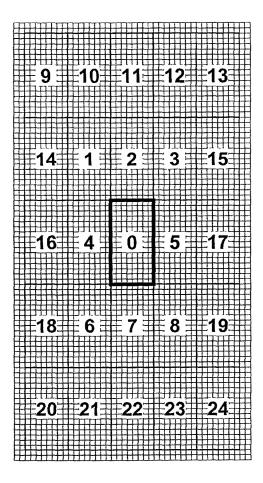


Fig. 5

BANK_0	BANK_1	BANK_2	BANK_3	BANK_4	BANK_5	BANK_6	BANK_7	BANK_8	BANK_9	BANK_A	BANK_B	BANK_C	BANK_D	BANK_E	BANK_F
00	01	02	03	04	05	06	07	80	81	82	83	84	85	86	87
17	10	11	12	13	14	15	16	97	90	91	92	93	94	95	96
26	27	20	21	22	23	24	25	A6	A7	A0	A1	A2	А3	A4	A5
35	36	37	30	31	32	33	34	B5	B6	B7	B0	B1	B2	В3	B4
44	45	46	47	40	41	42	43	C4	C 5	C6	C7	C0	C1	C2	C3
53	54	55	56	57	50	51	52	D3	D4	D5	D6	D7	D0	D1	D2
62	63	64	65	66	67	60	61	E2	E3	E4	E5	E6	E7	E0	E1
71	72	73	74	75	76	77	70	F1	F2	F3	F4	F5	F6	F7	F0

Fig. 6

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(00)	(10)	(20)	(30) (40) (50)	60)	(70)	80) (90) ((A0)	B0) (<u>co</u>) (<u>00</u> (E0 (F0
\bigvee	\bigvee	<u></u>	\(\)	Ť)	†	<u> </u>	1	<u> </u>	1	<u> </u>	1	1	<u> </u>	1
BANK_0	BANK_1	BANK_2	BANK_3	BANK_4	BANK_5	BANK_6	BANK_7	BANK_8	BANK_9	BANK_A	BANK_B	BANK_C	BANK_D	BANK_E	BANK_F
(00)	01	02	03	04	05	06	07	80	81	82	83	84	85	86	87
17	(10)	11	12	13	14	15	16	97	90	91	92	93	94	95	96
26	27	(20)	21	22	23	24	25	A6	A7	(AO)	A1	A2	А3	A4	A 5
35	36	37	(30)	31	32	33	34	B5	В6	B7	(B0)	B1	B2	В3	B4
44	45	46	47	(40)	41	42	43	C4	C5	C6	C 7	\bigcirc	C1	C2	С3
53	54	55	56	57	(50)	51	52	D3	D4	D5	D6	D7	(D0)	D1	D2
62	63	64	65	66	67	(60)	61	E2	E3	E4	E 5	E6	E7	(E0)	E1
71	72	73	74	75	76	77	(70)	F1	F2	F3	F4	F5	F6	F7	(F0)

Fig. 7a

(35)	(45)	(55)	(65)	(75)	(05)	(15)	(25)	(B5)	C 5	D5	E5)	F5	(85)	95)	(A5)
Ĭ	Ť	Ĭ	Ĭ	1	Ĭ.	Ĭ.	Ĭ	1	Ĭ	Ĭ	1	1	1	1	
BANK_0	BANK_1	BANK_2	BANK_3	BANK_4	BANK_5	BANK_6	BANK_7	BANK_8	BANK_9	BANK_A	BANK_B	BANK_C	BANK_D	BANK_E	BANK_F
00	01	02	03	04	05)	06	07	80	81	82	83	84	(85)	86	87
17	10	11	12	13	14	(15)	16	97	90	91	92	93	94	95	96
26	27	20	21	22	23	24	(25)	A6	A7	A0	A1	A2	А3	Α4	(A5)
(35)	36	37	30	31	32	33	34	B5	В6	B7	B0	B1	B2	В3	В4
44	(45)	46	47	40	41	42	43	C4	(C5)	C6	C7	CO	C1	C2	C3
53	54	(55)	56	57	50	51	52	D3	D4	(D5)	D6	D7	D0	D1	D2
62	63	64	(65)	66	67	60	61	E2	E3	E4	E 5	E 6	E7	E0	E1
71	72	73	74	(75)	76	77	70	F1	F2	F3	F4	(F5)	F6	F7	F0

Fig. 7b

								(F1)	(F2)	F3	F4	(F5)	F6	(F7)	(FO)
								1	Ĭ	1	1	<u> </u>	1	À	<u> </u>
BANK_0	BANK_1	BANK_2	BANK_3	BANK_4	BANK_5	BANK_6	BANK_7	BANK_8	BANK_9	BANK_A	BANK_B	BANK_C	BANK_D	BANK_E	BANK_F
00	01	02	03	04	05	06	07	80	81	82	83	84	85	86	87
17	10	11	12	13	14	15	16	97	90	91	92	93	94	95	96
26	27	20	21	22	23	24	25	A6	A7	A0	A1	A2	А3	Α4	A5
35	36	37	30	31	32	33	34	B5	B6	B7	B0	B1	B2	B3	B4
44	45	46	47	40	41	42	43	C4	C 5	C6	C7	C0	C1	C2	С3
53	54	55	56	57	50	51	52	D3	D4	D5	D6	D7	D0	D1	D2
62	63	64	65	66	67	60	61	E2	E3	E4	E5	E6	E7	E0	E1
71	72	73	74	75	76	77	70	F1	(F2)	F3	F4	(F5)	F6	(F7)	F0

Fig. 8

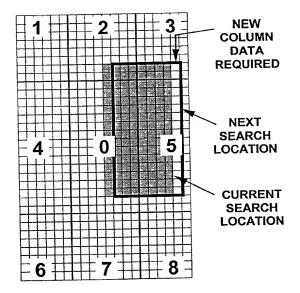


Fig. 9

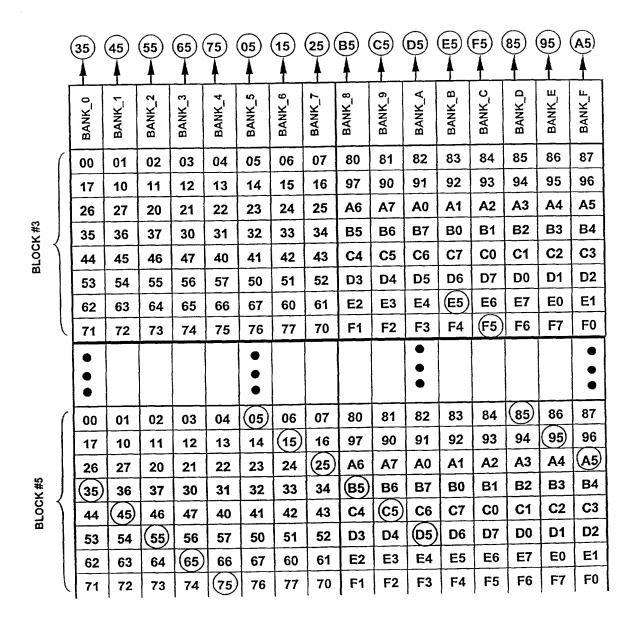


Fig. 10

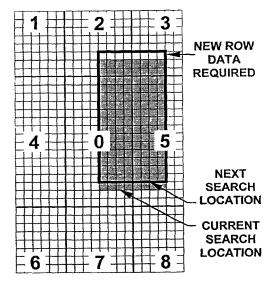


Fig. 11

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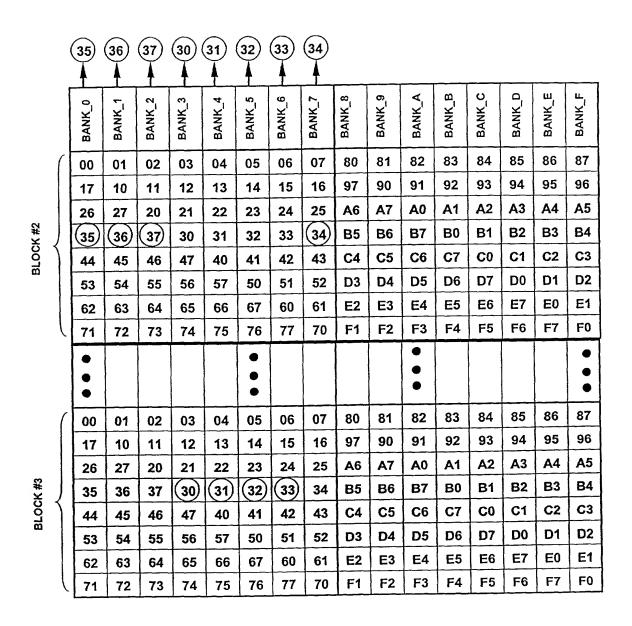


Fig. 12

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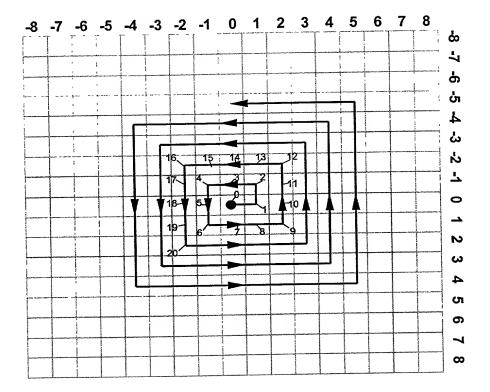
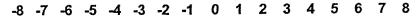


Fig. 13

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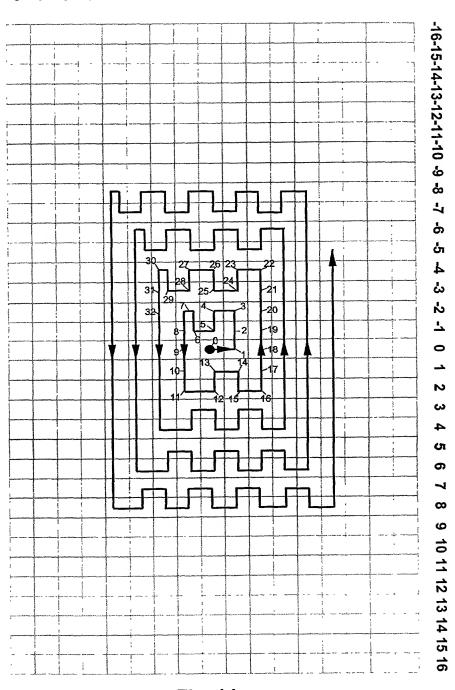


Fig. 14